

FIGURE

1230

C12/C13	
HAEP-2	1230
HAEP-1	1231
C12	1232
C13	1233
C12/C13	
HAEP-2	1234
HAEP-1	1235
C12	1236
C13	1237
C12/C13	
HAEP-2	1238
HAEP-1	1239
C12	1240
C13	1241
C12/C13	
HAEP-2	1242
HAEP-1	1243
C12	1244
C13	1245
C12/C13	
HAEP-2	1246
HAEP-1	1247
C12	1248
C13	1249
C12/C13	
HAEP-2	1250
HAEP-1	1251
C12	1252
C13	1253
C12/C13	
HAEP-2	1254
HAEP-1	1255
C12	1256
C13	1257
C12/C13	
HAEP-2	1258
HAEP-1	1259
C12	1260
C13	1261
C12/C13	
HAEP-2	1262
HAEP-1	1263
C12	1264
C13	1265
C12/C13	
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HAEP-1	1267
C12	1268
C13	1269
C12/C13	
HAEP-2	1270
HAEP-1	1271
C12	1272
C13	1273
C12/C13	
HAEP-2	1274
HAEP-1	1275
C12	1276
C13	1277
C12/C13	
HAEP-2	1278
HAEP-1	1279
C12	1280
C13	1281
C12/C13	
HAEP-2	1282
HAEP-1	1283
C12	1284
C13	1285
C12/C13	
HAEP-2	1286
HAEP-1	1287
C12	1288
C13	1289
C12/C13	
HAEP-2	1290
HAEP-1	1291
C12	1292
C13	1293
C12/C13	
HAEP-2	1294
HAEP-1	1295
C12	1296
C13	1297
C12/C13	
HAEP-2	1298
HAEP-1	1299
C12	1300
C13	1301
C12/C13	
HAEP-2	1302
HAEP-1	1303
C12	1304
C13	1305
C12/C13	
HAEP-2	1306
HAEP-1	1307
C12	1308
C13	1309
C12/C13	
HAEP-2	1310
HAEP-1	1311
C12	1312
C13	1313
C12/C13	
HAEP-2	1314
HAEP-1	1315
C12	1316
C13	1317
C12/C13	
HAEP-2	1318
HAEP-1	1319
C12	1320
C13	1321
C12/C13	
HAEP-2	1322
HAEP-1	1323
C12	1324
C13	1325
C12/C13	
HAEP-2	1326
HAEP-1	1327
C12	1328
C13	1329
C12/C13	
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HAEP-1	1331
C12	1332
C13	1333
C12/C13	
HAEP-2	1334
HAEP-1	1335
C12	1336
C13	1337
C12/C13	
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HAEP-1	1339
C12	1340
C13	1341
C12/C13	
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HAEP-1	1343
C12	1344
C13	1345
C12/C13	
HAEP-2	1346
HAEP-1	1347
C12	1348
C13	1349
C12/C13	
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HAEP-1	1351
C12	1352
C13	1353
C12/C13	
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HAEP-1	1355
C12	1356
C13	1357
C12/C13	
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HAEP-1	1359
C12	1360
C13	1361
C12/C13	
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HAEP-1	1363
C12	1364
C13	1365
C12/C13	
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C12	1368
C13	1369
C12/C13	
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HAEP-1	1371
C12	1372
C13	1373
C12/C13	
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HAEP-1	1375
C12	1376
C13	1377
C12/C13	
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HAEP-1	1379
C12	1380
C13	1381
C12/C13	
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C13	1385
C12/C13	
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C13	1389
C12/C13	
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C12/C13	
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C12	1396
C13	1397
C12/C13	
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HAEP-1	1399
C12	1400
C13	1401
C12/C13	
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HAEP-1	1403
C12	1404
C13	1405
C12/C13	
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HAEP-1	1407
C12	1408
C13	1409
C12/C13	
HAEP-2	1410
HAEP-1	1411
C12	1412
C13	1413
C12/C13	
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HAEP-1	1415
C12	1416
C13	1417
C12/C13	
HAEP-2	1418
HAEP-1	1419
C12	1420
C13	1421
C12/C13	
HAEP-2	1422
HAEP-1	1423
C12	1424
C13	1425
C12/C13	
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HAEP-1	1427
C12	1428
C13	1429
C12/C13	
HAEP-2	1430
HAEP-1	1431
C12	1432
C13	1433
C12/C13	
HAEP-2	1434
HAEP-1	1435
C12	1436
C13	1437
C12/C13	
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HAEP-1	1439
C12	1440
C13	1441
C12/C13	
HAEP-2	1442
HAEP-1	1443
C12	1444
C13	1445
C12/C13	
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HAEP-1	1447
C12	1448
C13	1449
C12/C13	
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HAEP-1	1451
C12	1452
C13	1453
C12/C13	
HAEP-2	1454
HAEP-1	1455
C12	1456
C13	1457
C12/C13	
HAEP-2	1458
HAEP-1	1459
C12	1460
C13	1461
C12/C13	
HAEP-2	1462
HAEP-1	1463
C12	1464
C13	1465
C12/C13	
HAEP-2	1466
HAEP-1	1467
C12	1468
C13	1469
C12/C13	
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HAEP-1	1471
C12	1472
C13	1473
C12/C13	
HAEP-2	1474
HAEP-1	1475
C12	1476
C13	1477
C12/C13	
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HAEP-1	1479
C12	1480
C13	1481
C12/C13	
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HAEP-1	1483
C12	1484
C13	1485
C12/C13	
HAEP-2	1486
HAEP-1	1487
C12	1488
C13	1489
C12/C13	
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HAEP-1	1491
C12	1492
C13	1493
C12/C13	
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HAEP-1	1495
C12	1496
C13	1497
C12/C13	
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HAEP-1	1499
C12	1500
C13	1501
C12/C13	
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HAEP-1	1503
C12	1504
C13	1505
C12/C13	
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HAEP-1	1507
C12	1508
C13	1509
C12/C13	
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HAEP-1	1511
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C13	1513
C12/C13	
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C13	1517
C12/C13	
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C13	1521
C12/C13	
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HAEP-1	1523
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C13	1525
C12/C13	
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C13	1529
C12/C13	
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C12/C13	
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HAEP-1	1535
C12	1536
C13	1537
C12/C13	
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HAEP-1	1539
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C13	1541
C12/C13	
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HAEP-1	1543
C12	1544
C13	1545
C12/C13	
HAEP-2	1546
HAEP-1	1547
C12	1548
C13	1549
C12/C13	
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HAEP-1	1551
C12	1552
C13	1553
C12/C13	
HAEP-2	1554
HAEP-1	1555
C12	1556
C13	1557
C12/C13	
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HAEP-1	1559
C12	1560
C13	1561
C12/C13	
HAEP-2	1562
HAEP-1	1563
C12	1564
C13	1565
C12/C13	
HAEP-2	1566
HAEP-1	1567
C12	1568
C13	1569
C12/C13	
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HAEP-1	1571
C12	1572
C13	1573
C12/C13	
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HAEP-1	1575
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C13	1577
C12/C13	
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HAEP-1	1579
C12	1580
C13	1581
C12/C13	
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HAEP-1	1583
C12	1584
C13	1585
C12/C13	
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HAEP-1	1587
C12	1588
C13	1589
C12/C13	
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HAEP-1	1591
C12	1592
C13	1593
C12/C13	
HAEP-2	1594
HAEP-1	1595
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C13	1597
C12/C13	
HAEP-2	1598
HAEP-1	1599
C12	1600



FIGURE 3A

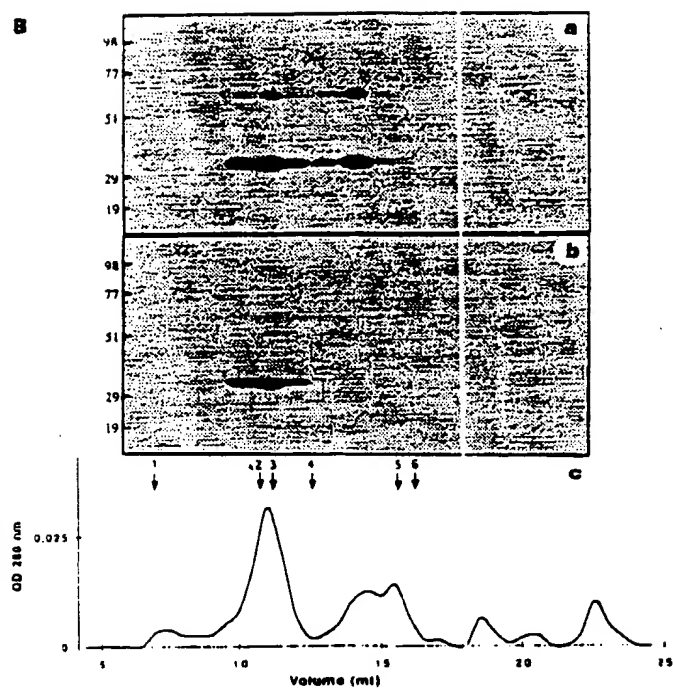
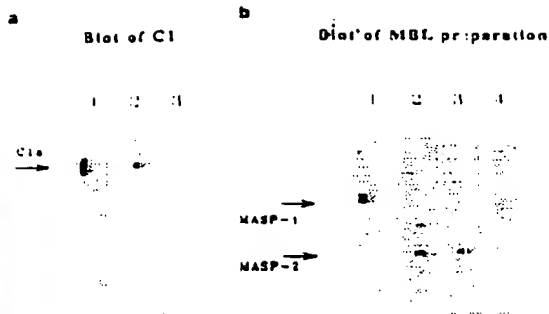
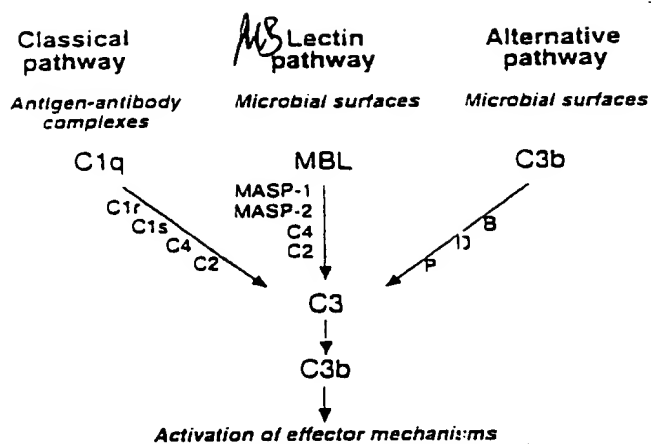


FIGURE 3B



FIGURE

4 a & b



FIGURE

5

+1

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GGCCTGAACCTGTGTTGGGGCGCCTGGCATCCCCCGGCTTTCCAGGGGAGTATGCCAATGACCAGGAGCGCGCTGGACCCCTGACTGCACCCCGGGCTA 200
W P E P V F G R L A S P G F P G E Y A N D Q E F R W T L T A P P G Y 40

CCGCCTGCGCCTCTACTTCACCCACTTCGACCTGGAGCTCTCCACCTCTGCGAGTACGACTTCGTCAACCTGAGCTCGGGGGCAAGGTGCTGGCCACG 300
R L R L Y F T H F D L E L S H L C E Y D F V K L S S G A K V L A T 73

CTGTGCGGGCAGGAGACACAGACACGGAGCGGGCCCCCTGGCAAGGACACTTTCTACTCGCTGGGCTCCGCTGGACATTACCTTCCGCTCCGACTACT 400
L C G Q E S T D T E R A P G K D T F Y S L G S S L D I T F R S D Y 106

CCAACGAGAAGCGTTTACGGGGTTTCGAGGCGCTTCTATGCGAGCGAGGACATTGACGAGTGCCAGGTGGGCCCCGGAGAGGGCGCCACCTGCGACCA 500
S N E K P F T G F E A F Y A A E D I D E C Q V A P G E A P T C D H H 140

CTGCCACAACCACTGGGCGGTTTCTACTGCTCCTGCGCGCAGGCTACGTCCTGACCGTAACAAGCGAACCTGCTCAGCCCTGTGCTCCGGCCAGGT 600
C H N H L G G F Y C S C R A G Y V L H R N K R T C S A L C S G Q V 173

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T Q R S G E L S S P E Y P R P Y P K L S S C T Y S I S L E E G F 206

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G P F C G K T L P H R I E T K S N T V T I T F V T D E S G D H T G 273

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F P W Q V L I L G G T T A A G A L L Y D N W V L T A A E A V Y E Q 473

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~~Fig. 6~~ Fig. 6